Homework Assignment No. 10

Due on Wednesday, March 31, 2004

1.) Problem P7.6 (a) and (c) of the text.

2.) Problem P7.7 of the text.

    [Ans. (a) $LE = 2/3$ (b) $LE_A=1$, $LE_B=3$, and $LE_C=1$]

3.) Problem P7.10 of the text.

    [Ans: Shortest path is 47.4ps and the longest path is 112.5ps]

4.) Problem P7.13 of the text.

    [Ans: (a) Worst case charge sharing occurs when $a = c = e = 1$ and both $b = d = 0$. (b) $V^* = 1.34V$ and (c) Circuit is okay]